

Abstract of the Disclosure:

A novel method converts heat into mechanical work. In a cyclic process, a working medium is compressed while giving off heat and it is subsequently brought in thermal contact with the surroundings via a first heat exchanger. Then it is expanded while obtaining mechanical work, whereupon the cyclic process is run through once more. A high degree of efficiency is achieved by virtue of the fact that the working medium, after expansion, is guided through another heat exchanger, which is situated inside a rapidly rotating rotor and which, on the exterior thereof, is surrounded by at least one substantially annular gas space from whose exterior heat is dissipated. There is also disclosed a device for carrying out the novel method.